

CRAB CREEK BASIN

1

12471400 LIND COULEE WASTEWAY AT STATE ROUTE 17, NEAR WARDEN, WA
(National water-quality assessment station)

LOCATION.--Lat 47°20'00", long 119°08'57", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.35, T.18 N., R.29 E., Grant County, Hydrologic Unit 17020015, on left bank, 0.6 mi downstream from State Route 17 road crossing, and 5 mi northwest of Warden.

DRAINAGE AREA.--703 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1993 to September 1995, October 1997 to February 2001 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 1,060 ft above sea level, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Most flow is return and wastewater from the Columbia Basin Irrigation Project. The water is distributed through a complex network of canals and reservoirs to the project with some of the water returning to the Potholes Reservoir through Lind Coulee.

AVERAGE DISCHARGE.--5 years (water years 1994-95, 1998-2000) 216 ft³/s, 156,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,850 ft³/s Dec. 28, 1998, gage height, 4.40 ft; minimum, 41 ft³/s Feb. 9, 1998.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 2,580 ft³/s Jan. 27, 1993, gage height, 7.13 ft, gage height record provided by Bureau of Reclamation.

EXTREMES FOR CURRENT PERIOD.--Maximum discharge, 606 ft³/s Oct. 24, gage height, 4.11 ft; minimum, 50 ft³/s Feb. 26-28.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO FEBRUARY 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB
1	198	156	90	72	69
2	194	136	90	70	66
3	202	124	88	70	71
4	205	119	87	72	87
5	201	112	87	72	75
6	200	109	86	73	72
7	203	105	85	70	65
8	205	112	84	70	62
9	209	116	84	70	62
10	209	106	83	70	61
11	206	102	82	69	61
12	204	101	81	69	60
13	201	101	79	69	58
14	199	101	78	69	58
15	201	100	77	67	60
16	198	98	76	67	58
17	198	97	76	67	56
18	195	97	75	67	57
19	196	96	74	67	57
20	206	94	74	67	57
21	213	94	74	67	57
22	205	94	74	67	58
23	207	93	74	67	58
24	296	93	75	67	57
25	238	93	74	67	54
26	232	94	74	65	52
27	236	93	74	64	50
28	228	97	72	64	50
29	229	94	72	64	---
30	204	91	72	65	---
31	182	---	72	65	---
TOTAL	6500	3118	2443	2109	1708
MEAN	210	104	78.8	68.0	61.0
MAX	296	156	90	73	87
MIN	182	91	72	64	50
AC-FT	12890	6180	4850	4180	3390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2001, BY WATER YEAR (WY)

MEAN	254	112	94.7	83.1	64.7	113	323	310	294	290	324	305
MAX	475	126	131	103	76.0	157	386	416	376	338	362	385
(WY)	1995	1995	1999	1995	1995	1998	1994	2000	1995	1995	1995	1994
MIN	196	97.8	78.8	68.0	55.7	89.4	199	228	257	249	270	225
(WY)	1998	1994	2001	2001	1998	1999	1998	1998	1999	1999	2000	2000

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1994 - 2001

ANNUAL TOTAL	75159											
ANNUAL MEAN	205											
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	581	May 22				296	Oct 24			1020	Dec 28	1998
LOWEST DAILY MEAN	49	Mar 5				50	Feb 27			41	Feb 9	1998
ANNUAL SEVEN-DAY MINIMUM	51	Mar 17				54	Feb 22			44	Feb 6	1998
ANNUAL RUNOFF (AC-FT)	149100									156500		
10 PERCENT EXCEEDS	370					205				385		
50 PERCENT EXCEEDS	216					78				205		
90 PERCENT EXCEEDS	61					58				67		